

Attorney Docket No.: **UMD-0033**
Inventors: **Rameshwar and Gascon**
Serial No.: **10/628,066**
Filing Date: **July 25, 2003**
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REMARKS

Claims 1, 2, 6, 12-14, 18, and 20 are pending in this application and have been subjected to a Restriction Requirement under 35 U.S.C. §121. It is suggested that the application contains claims directed to the patentably distinct species of SEQ ID NO:1 or SEQ ID NO:14. Applicants are required under 35 U.S.C. 121 to elect a single disclosed species. Applicants respectfully traverse this restriction requirement and respectfully request reconsideration for the following reasons.

Applicants respectfully point out that SEQ ID NO:14 is a variant of SEQ ID NO:1. As shown below, SEQ ID NO:1 has additional nucleotides on the 5' and 3' ends which are not present in SEQ ID NO:14.

SEQ ID NO:1	CTATAGGCACGCGTGGTCGACGGCCGGCTGGTAAATTCCCTTCTCCAAAATGTAAA	60
SEQ ID NO:14	-----CGACGGCCGGCTGGTAAATTCCCTTCTCCAAAATGTAAA	42

SEQ ID NO:1	ATAAATCTGCTTCATCTTCTAAAATACTATGGGACTAAACATCCTTTGTTATGCTAAG	120
SEQ ID NO:14	ATAAATCTGCTTCATCTTCTAAAATACTATGGGACTAAACATCCTTTGTTATGCTAAG	102

SEQ ID NO:1	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	180
SEQ ID NO:14	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	162

SEQ ID NO:1	GTCTCAGAACACTTAAACTATTAAAGCTAGAAATAGAACGGAAAATAATGCTTCCCG	240
SEQ ID NO:14	GTCTCAGAACACTTAAACTATTAAAGCTAGAAATAGAACGGAAAATAATGCTTCCCG	222

SEQ ID NO:1	CATCTCCCCCTCAAGTGTAGTCCTCTTTTGTAGCCTGATTTCGACGAAATGTCTGAATG	300
SEQ ID NO:14	CATCTCCCCCTCAAGTGTAGTCCTCTTTTGTAGCCTGATTTCGACGAAATGTCTGAATG	282

SEQ ID NO:1	CCTACAGTTATTTGCCATCCTGAAAAGTGCACCTTATCCTGACGTCTCGAGGGACGAA	360
SEQ ID NO:14	CCTACAGTTATTTGCCATCCTGAAAAGTGCACCTTATCCTGACGTCTCGAGGGACGAA	342

SEQ ID NO:1	AAGTTACCGAAGTCCAAGGAATGAGTCACTTGCTCAAATTGATGAGTAATATCAGGTG	420
SEQ ID NO:14	AAGTTACCGAAGTCCAAGGAATGAGTCACTTGCTCAAATTGATGAGTAATATCAGGTG	402

SEQ ID NO:1	TCATGAAACCCAGTTCGAAGGAGAGGGGAGGGGGCGTCAGATCTGCAGACGGAAGCAGG	480
SEQ ID NO:14	TCATGAAACCCAGTTCGAAGGAGAGGGGAGGGGGCGTCAGATCTGCAGACGGAAGCAGG	462

SEQ ID NO:1	CCGCTCCGGATTGGATGGCGAGACCTCGATTTCCTAAATTGCGTCATTAGAACCCAA	540
SEQ ID NO:14	CCGCTCCGGATTGGATGGCGAGACCTCGATTTCCTAAATTGCGTCATTAGAACCCAA	522

SEQ ID NO:1	TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGAAACTCTCAATCACGCAA	600

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SEQ ID NO:14	TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGGAAACTCTCAATCACGCAA 582 *****
SEQ ID NO:1 SEQ ID NO:14	GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGAGAATGTC 660 GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGAGAATGTC 642 *****
SEQ ID NO:1 SEQ ID NO:14	ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAAATACCGCAAGGCACTGAGCAGGCAGAA 720 ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAAATACCGCAAGGCACTGAGCAGGCAGAA 702 *****
SEQ ID NO:1 SEQ ID NO:14	AGAGCCGCGTGGACCTCCTTCCCGCGGCAGCTACCGAGAGTGGGGAGCGACCAGCGT 780 AGAGCCGCGTGGACCTCCTTCCCGCGGCAGCTACCGAGAGTGGGGAGCGACCAGCGT 762 *****
SEQ ID NO:1 SEQ ID NO:14	GCGCTCGGAGAACCAAGAGAACTCAGCACCCCGCGGACTGTCCGTCGCAGTAAGTGCCCCG 840 GCGCTCGGAGAACCAAGAGAACTCAGCACCCCGCGGACTGTCCGTCGCAGTAAGTGCCCCG 822 *****
SEQ ID NO:1 SEQ ID NO:14	CGCGGTGCTGGCCCGCGCTGCCCGGGTATCCCACCCGCATCTGTCCGAGGTGGCCCG 900 CGCGGTGCTGGCCCGCGCTGCCCGGGTATCCCACCCGCATCTGTCCGAGGTGGCCCG 882 *****
SEQ ID NO:1 SEQ ID NO:14	CTGGGGCGCCGCTGCGCGAGGGACAGTGGGGAGACTGGCTTCCAAACGCCAACGCC 960 CTGGGGCGCCGCTGCGCGAGGGACAGTGGGGAGACTGGCTTCCAAACGCCAACGCC 942 *****
SEQ ID NO:1 SEQ ID NO:14	CTCTTTGCTTCCACCTGCAGAGTTCTGGTTGAAAGGTGTGGTTGGTTAGGG 1020 CTCTTTGCTTCCACCTGCAGAGTTCTGGTTGAAAGGTGTGGTTGGTTAGGG 1002 *****
SEQ ID NO:1 SEQ ID NO:14	GCTGGGGAGCTGGATTCAAGGGAGAAGAGGTTGGAGAAATCTTGGAACCGATTCTCT 1080 GCTGGGGAGCTGGATTCAAGGGAGAAGAGGTTGGAGAAATCTTGGAACCGATTCTCT 1062 *****
SEQ ID NO:1 SEQ ID NO:14	CGCCTAACCGGTACAGGTGAGACTTCAGTCAGTCCTTATGTTTGATCTGGTTCATCCGTTG 1140 CGCCTAACCGGTACAGGTGAGACTTCAGTCAGTCCTTATGTTTGATCTGGTTCATCCGTTG 1122 *****
SEQ ID NO:1 SEQ ID NO:14	TGGGGCAGAAAATTCTGTTGCTTAACTCTGGATAACCACCCCTAATAGATACATTATT 1200 TGGGGCAGAAAATTCTGTTGCTTAACTCTGGATAACCACCCCTAATAGATACATTATT 1182 *****
SEQ ID NO:1 SEQ ID NO:14	TCTCTCTTGGGTGCTTCTCCTCCACCCCTCCAGAAATCCGACATGAAAATCCTCGT 1260 TCTCTCTTGGGTGCTTCTCCTCCACCCCTCCAGAAATCCGAC----- 1228 *****
SEQ ID NO:1 SEQ ID NO:14	GGCCTTGGCATCTTTTCTGACGG 1286 -----

Accordingly, because Applicants have not claimed more than a reasonable number of species and the species are closely related, there would be no additional burden incurred by the Examiner in this case to search and examine both SEQ ID NO:1 and SEQ ID NO:14. In view of Applicants' remarks, it is respectfully requested that this species election be reconsidered and SEQ ID

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NO:1 and SEQ ID NO:14 be searched and examined together in the prosecution of the instant application.

However, in an earnest effort to be completely responsive, Applicant hereby elects to prosecute an isolated nucleic acid molecule comprising SEQ ID NO:14, with traverse.

Respectfully submitted,



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